

# **METHOD, PROGRAM PRODUCT, AND DESIGN TOOL FOR AUTOMATIC TRANSMISSION LINE SELECTION IN APPLICATION SPECIFIC INTEGRATED CIRCUITS**

## **Abstract**

A method, program product, and design tool for automatic transmission line selection in application specific integrated circuits. The method includes: determining route paths between blocks of an application specific integrated circuit; scanning the route paths for transmission line replacement candidates; and, for each transmission line replacement candidate, automatically selecting a buffered wire or a transmission line to implement the route path.